BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Detailed Estimate for Improvement of Drains and Construction of Cement Concrete road at Kodigehalli Village in ward No. 08, Kodigehalli Sub Division.

		Estimate Cost Rs.						1000000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. No. 150/ Item No. 19.1.1/ PWD SR 2012-13.	cum							
			2	105.00	0.45	0.25	23.63		
			2	63.00	0.45	0.25	14.18		
			2	50.00	0.45	0.25	11.25		
	Basic Rate	54.00					**49.05**	**58.32**	**2860.60**
	Area Weightage @ 8%	4.32							
	Total	**58.32**							
2	Removing B.S Slab of Drain and stacking Page No. 28/ Item No. 5.32/ PWD SR 2012-13	Sqm							
			2	105.00	1.35		283.50		
			2	63.00	1.35		170.10		
			2	50.00	1.35		135.00		
							588.60		
							117.72		
							470.88	**44.47**	**20942.11**
	Basic Rate	41.18							
	Area Weightage @ 8%	3.29							
	Total	**44.47**							
3	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 24/ Item No. 5.33/ PWD SR 2012-13	Sqm							
		Considering 80% Qty.of Item No. 2.					**470.88**	**63.00**	**29663.74**
	Basic Rate	58.33							
	Area Weightage @ 8%	4.67							
	Total	**63.00**							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete (P.No.28 Item No.5.31.1) 7.5 cms thick. SR-2012-13	Sqm.							
		Considering 20% Qty.of Item No. 2.					**117.72**	315.36	**37124.18**
	Basic Rate	292.00							
	Area Weightage @ 8%	23.36							
	Total	**315.36**							
5	KSRRB 300-3. Earthwork excavation and foming in embankment by manual means in ordinary soil with initial lead upto 15 m. and lift of 1.5m. (When earth is taken from bank cutting or from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (excluding watering and compaction of earth) (P 150, I.No. 19.3) SR-2012-13	Cum							
			1	105.00	4.00	0.15	63.00		
			1	63.00	4.00	0.15	37.80		
			1	50.00	4.00	0.15	30.00		
							130.80	**74.52**	**9747.22**
	Basic Rate	69.00							
	Area Weightage @ 8%	5.52							
	Total	**74.52**							

6	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. (P. 158, I.No. 19.64) SR-2012-13	Sqm								
			1	105.00	4.00		420.00			
			1	63.00	4.00		252.00			
			1	50.00	4.00		200.00			
							872.00	**3.78**	**3296.16**	
	Basic Rate	3.50								
	Area Weightage @ 8%	0.28								
	Total	**3.78**								
7	KSRRB 300-64.2. Extra for watering the earth to bring the earth upto required optimum moisture content with mechinery including cost of all labour, HOM of machineries complete as per specifications. (P. 159, I.No. 19.72) SR-2012-13	Cum								
			1	105.00	4.00	0.10	42.00			
			1	63.00	4.00	0.10	25.20			
			1	50.00	4.00	0.10	20.00			
							87.20	**1.89**	**164.81**	
	Basic Rate	1.75								
	Area Weightage @ 8%	0.14								
	Total	**1.89**								
8	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.57cummachine mixed machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials labour HOM of machinery curing complete as per specifications (P. No. 12, Item No. 4.3) 2012-13 SR	Cum								
			1	105.00	4.00	0.10	42.00			
			1	63.00	4.00	0.10	25.20			
			1	50.00	4.00	0.10	20.00			
							87.20	**3884.76**	**338751.07**	
	Basic Rate	3597.00								
	Area Weightage @ 8%	287.76								
	Total	**3884.76**								
9	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. (excluding cost of steel, fabrication & plastering) (Page No. 13, Item No. 4.11) SR 2012-13	Cum								
			1	105.00	4.00	0.10	42.00			
			1	63.00	4.00	0.10	25.20			
			1	50.00	4.00	0.10	20.00			
							87.20	**5239.08**	**456847.78**	
	Basic Rate	4851.00								
	Area Weightage @ 8%	388.08								
	Total	**5239.08**								

10	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (P. 187 I. No. 22.7) SR-2012-13	Sqm							
			1	105.00	4.00		420.00		
			1	63.00	4.00		252.00		
			1	50.00	4.00		200.00		
							872.00	86.40	75340.80
	Basic Rate	80.00							
	Area Weightage @ 8%	6.40							
	Total	86.40							
11	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement(P. 188 I. No. 22.8.1) SR-2012-13	Rmtr							
			8	4.00			32.00		
			6	4.00			24.00		
			5	4.00			20.00		
							76.00	108.00	8208.00
	Basic Rate	100.00							
	Area Weightage @ 8%	8.00							
	Total	108.00							
12	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.141)	Cum							
			Qty. Vide Item No. 1				49.05		
			Qty. Vide Item No. 5				130.80		
							179.85	72.30	13002.44
	Basic Ratefor haulage of materials as per item								
	Average weight of earth 1.28 tonne/Kg for 2 kms	5.12							
	Add loading and unloading vide item No. 17.1	62.20							
	Area Weightage @ 8%	4.98							
	Total	72.30							
13	Miscesallaneous Charges	L/S							4051.11
								Total	1000000.00

(Rupees Ten Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2012-13.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 8

Joint Commissioner
(Yelahanka Zone)
BBMP, Bangalore-92.

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division